

FIG. 1

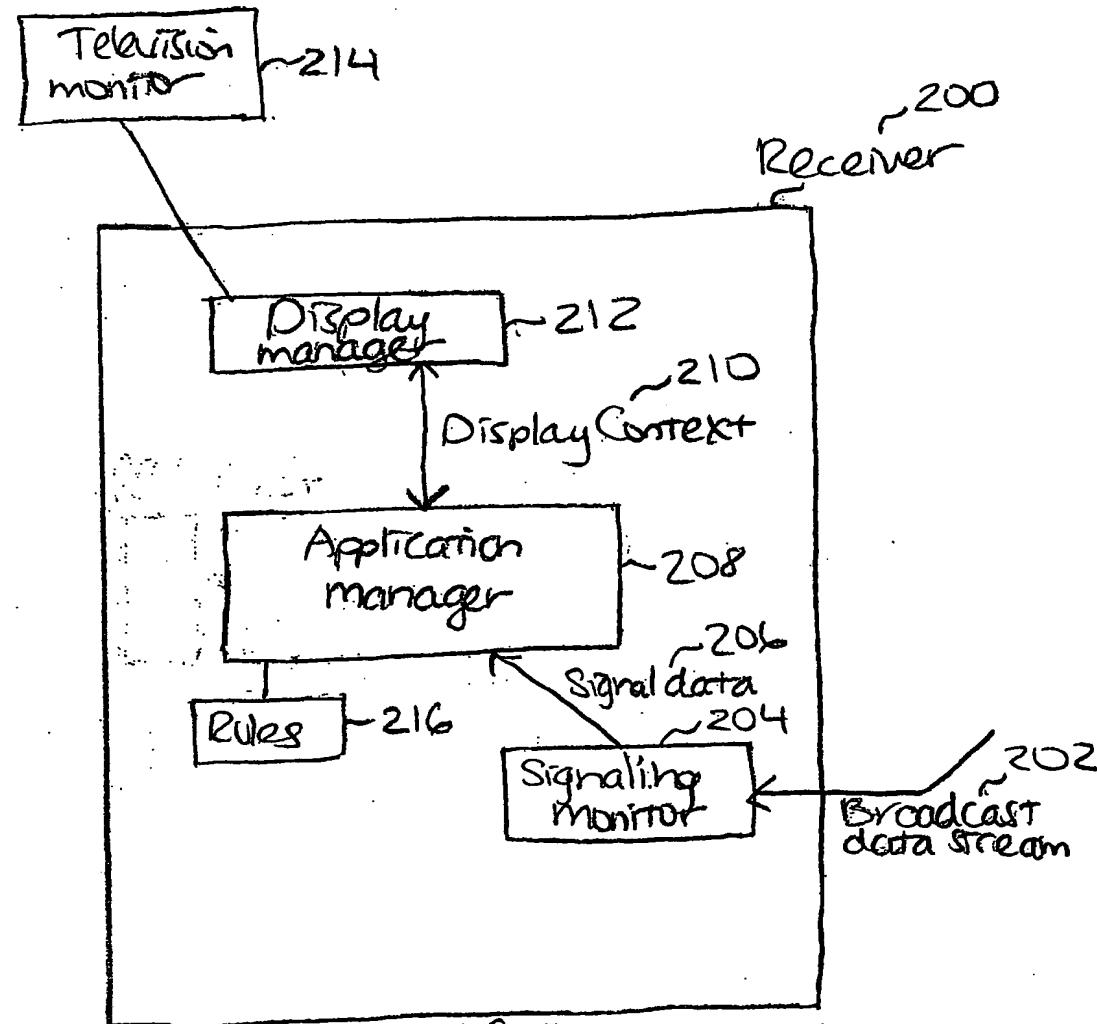


FIG. 2A

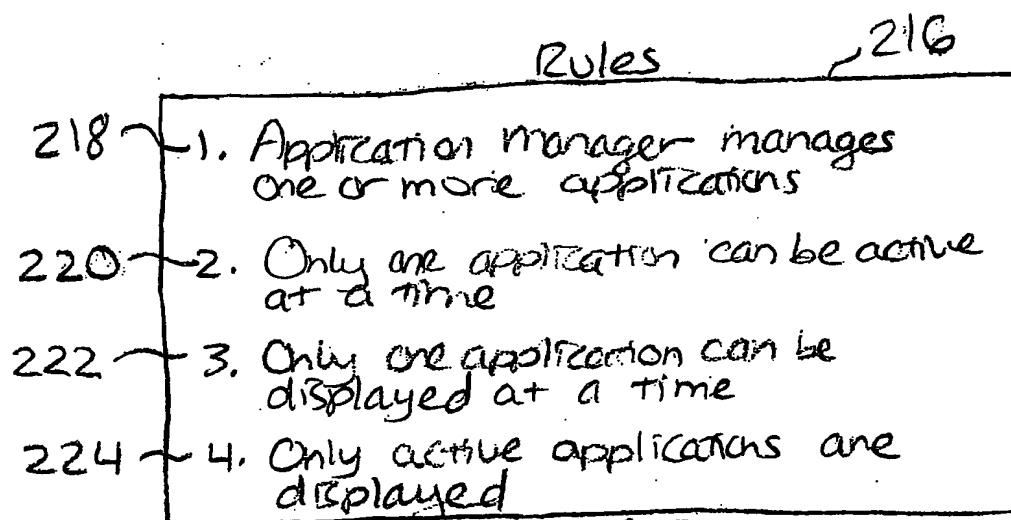


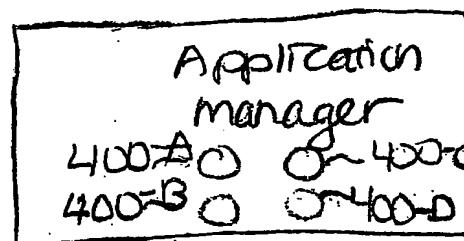
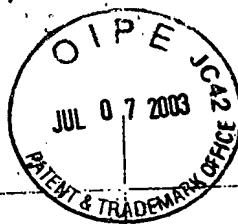
FIG. 2B



Signal Data ~302

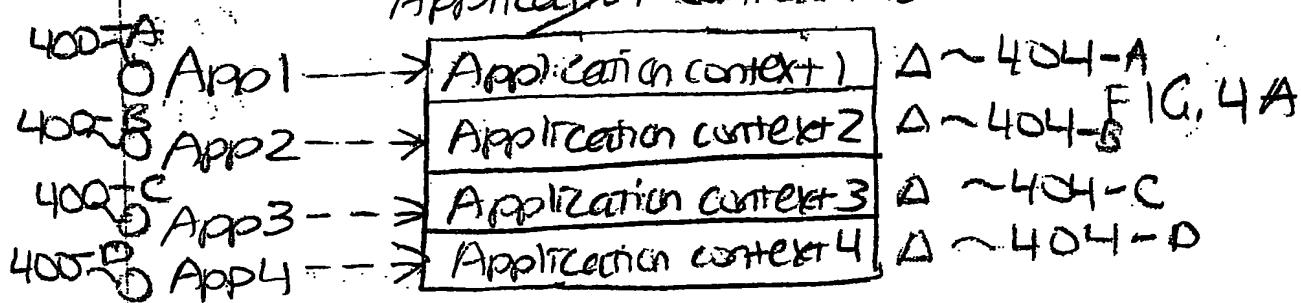
App-present-in-data-stream; BOOLEAN	~304
Location (e.g., directory, filename)	~306
Authentication	~308
Permissions	~310

FIG. 3



~208

Application context list ~ 402

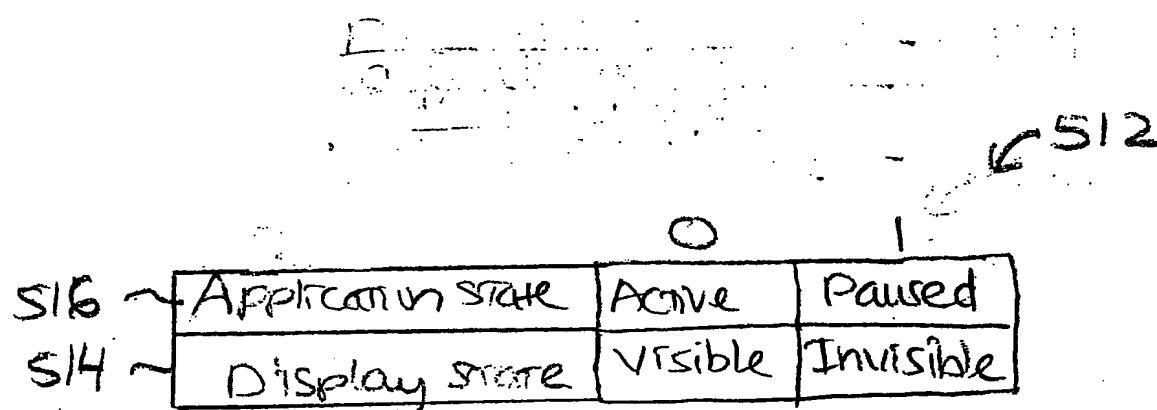
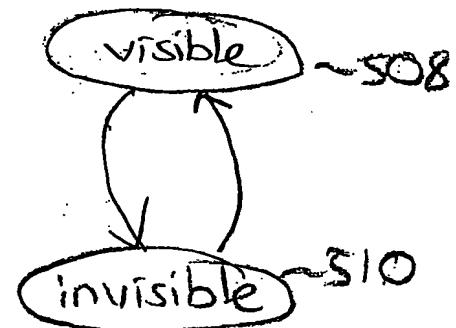
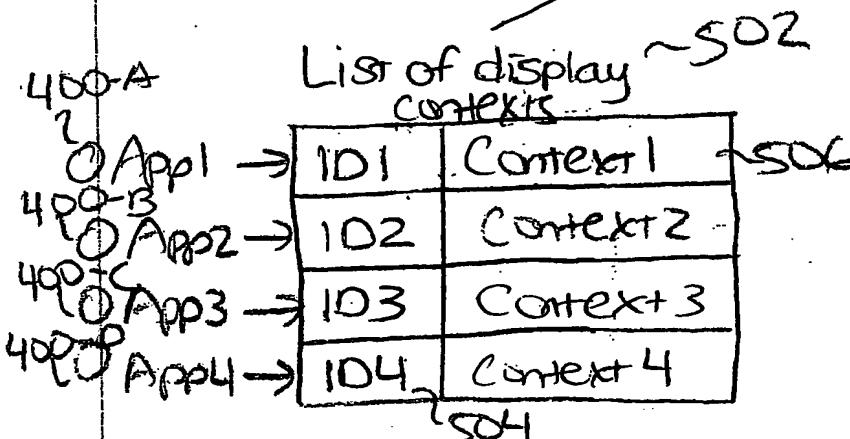


Application Context Δ ~ 404

Class loader identifier	<u>406</u>
Signal data identifier	<u>408</u>
Display context identifier	<u>410</u>
Application identifier	<u>412</u>
Application environment object	<u>414</u>
Current application state	<u>416</u>

□

FIG. 4B



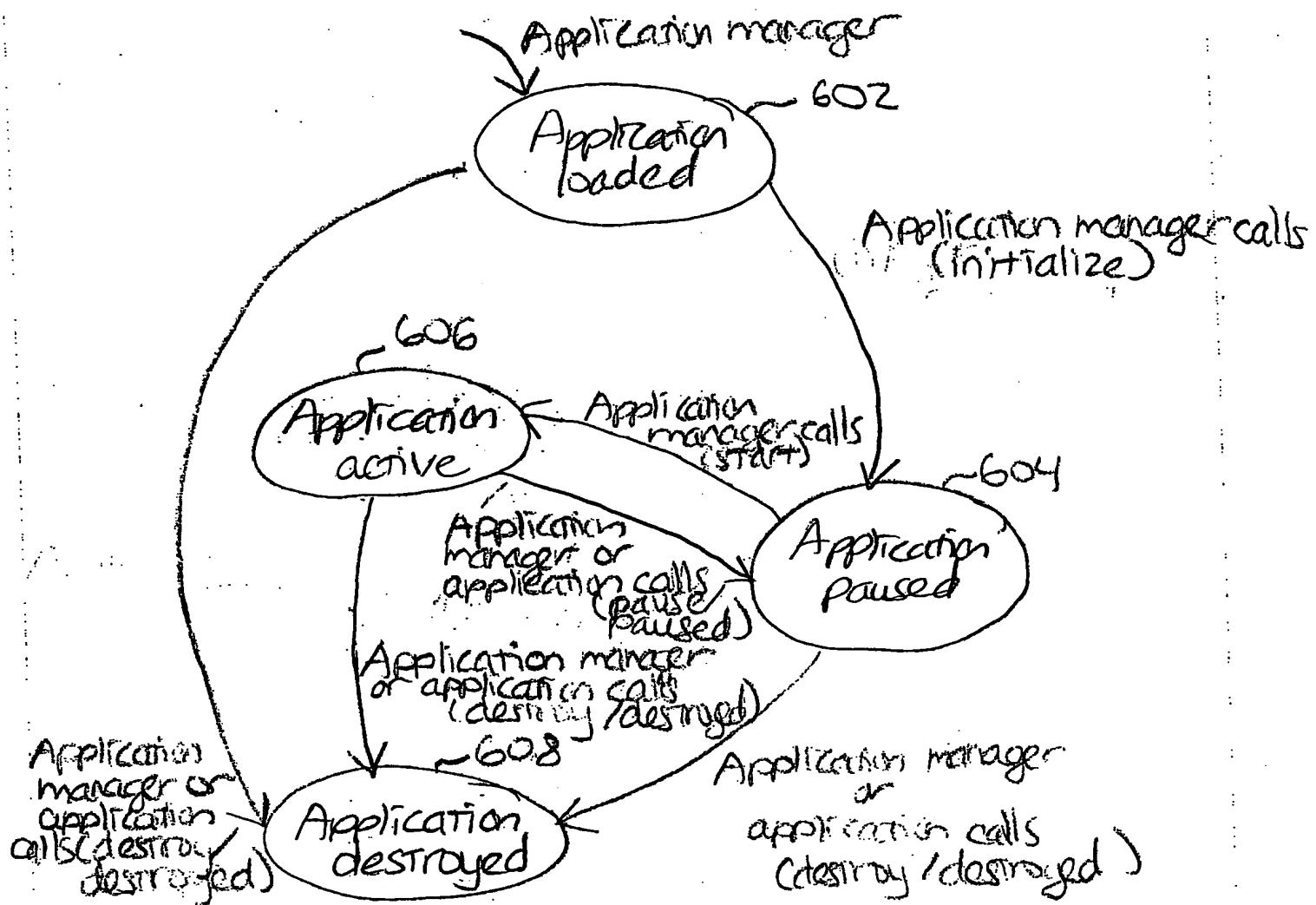


FIG. 6



Application Programming Interface (API)

~ 702

Interface application {

- 704 ~ public void init application (Application environment env);
- 708 ~ public void start application();
- 710 ~ public void pause application();
- 712 ~ public void destroy application (boolean unconditional);

}

~ 706

~ 714

10 strong sp

FIG. 7



Application-environment/Interface

~802

Interface Application-environment {

804 ~ public void destroyed();

808 ~ public java.lang.Object + getProperty(String a) ~810

806 ~ public void paused();

812 ~ public void resumeRequest();

}

FIG. 8



Application ~902
Manager

~904
Application

Call init application() → ~906
Call start application() → ~908

Call destroy application() → ~910

Call pause application() → ~912

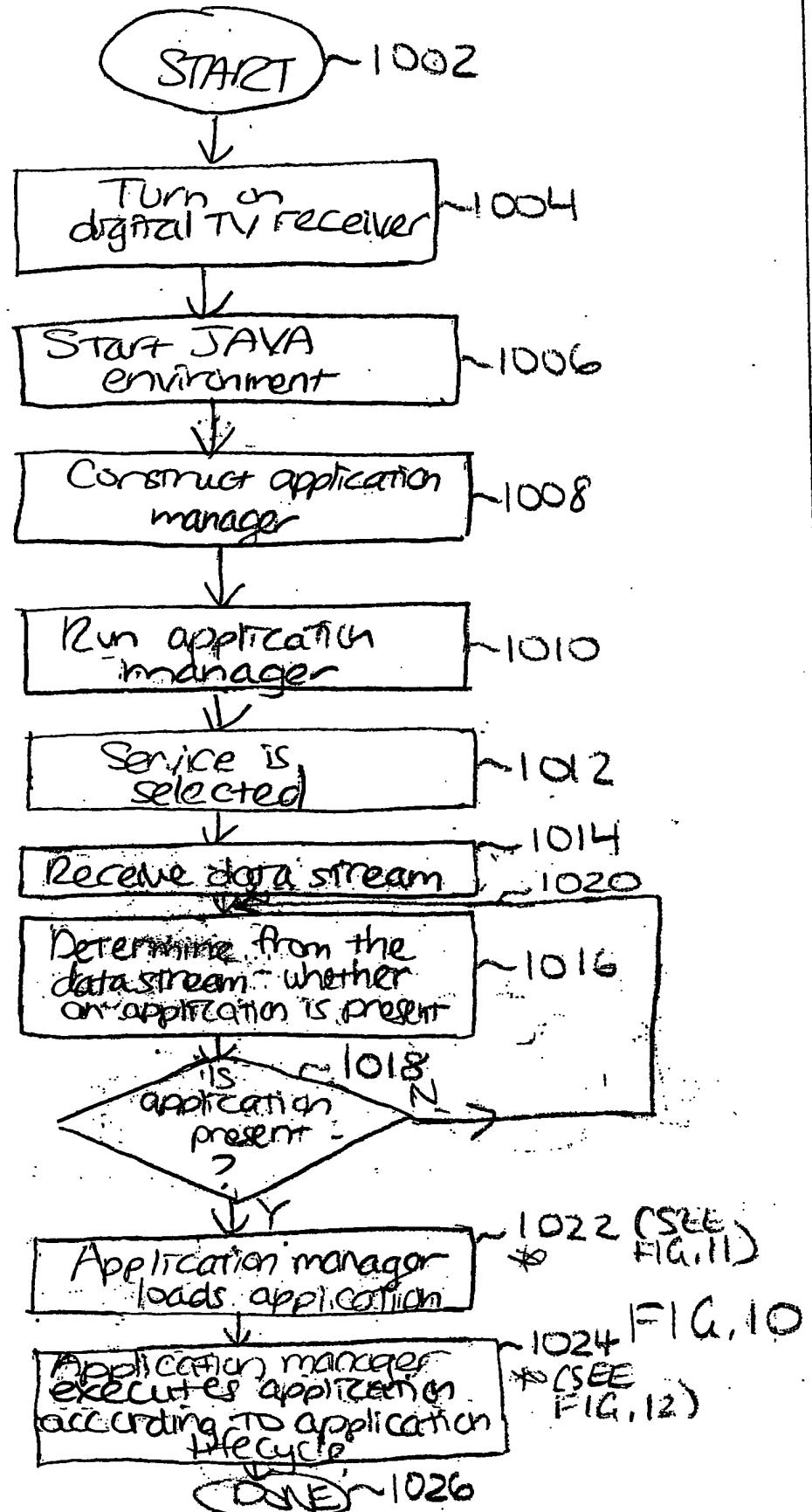
914 ~ ← Application-environment.applicationPaused()

916 ~ ← Application-environment.applicationDestroyed()

918 ~ ← Application-environment.resumeRequest()

920 ~ ← Application-environment.getProperty()

FIG. 9





(2) 1022

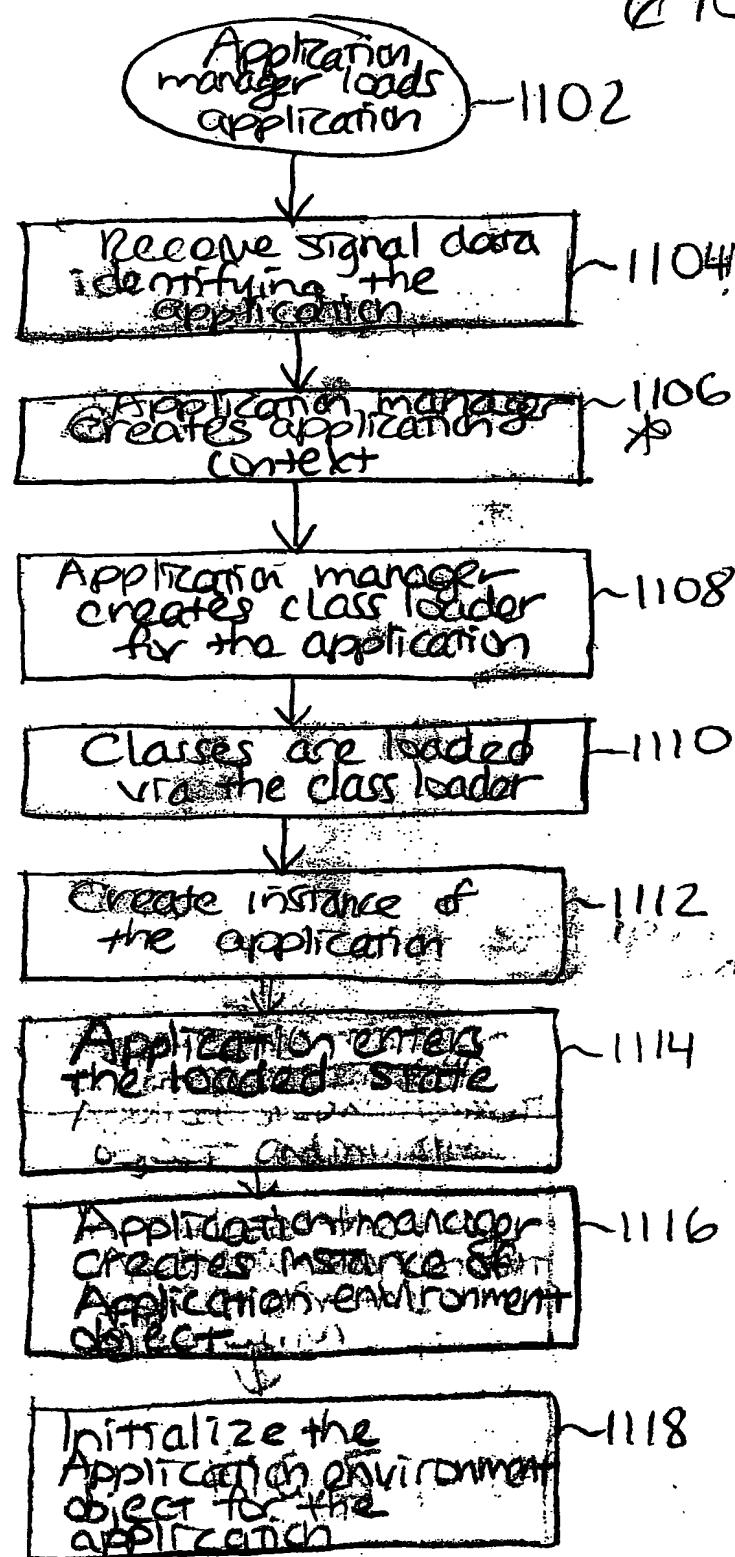


FIG. 11

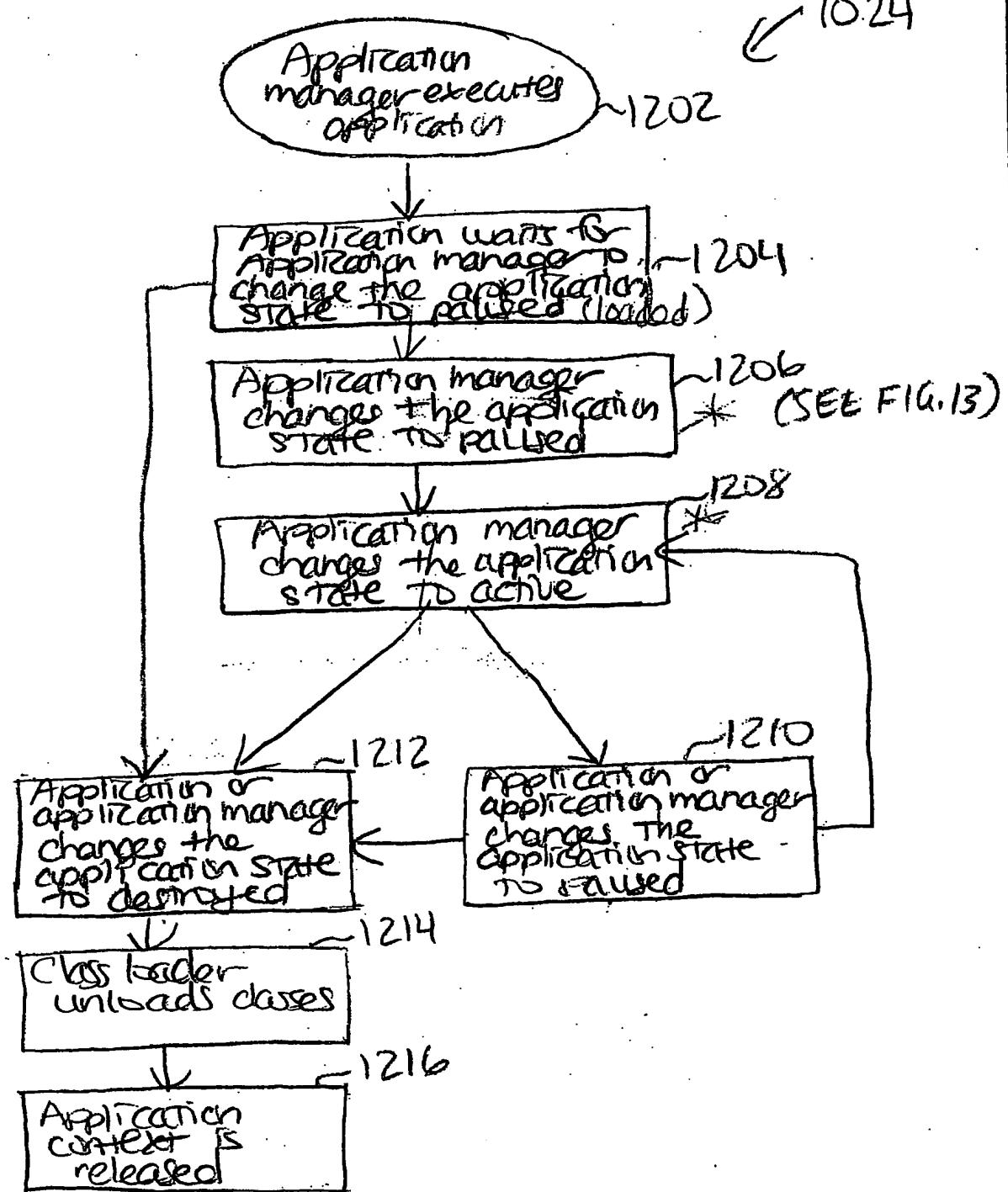


FIG. 12

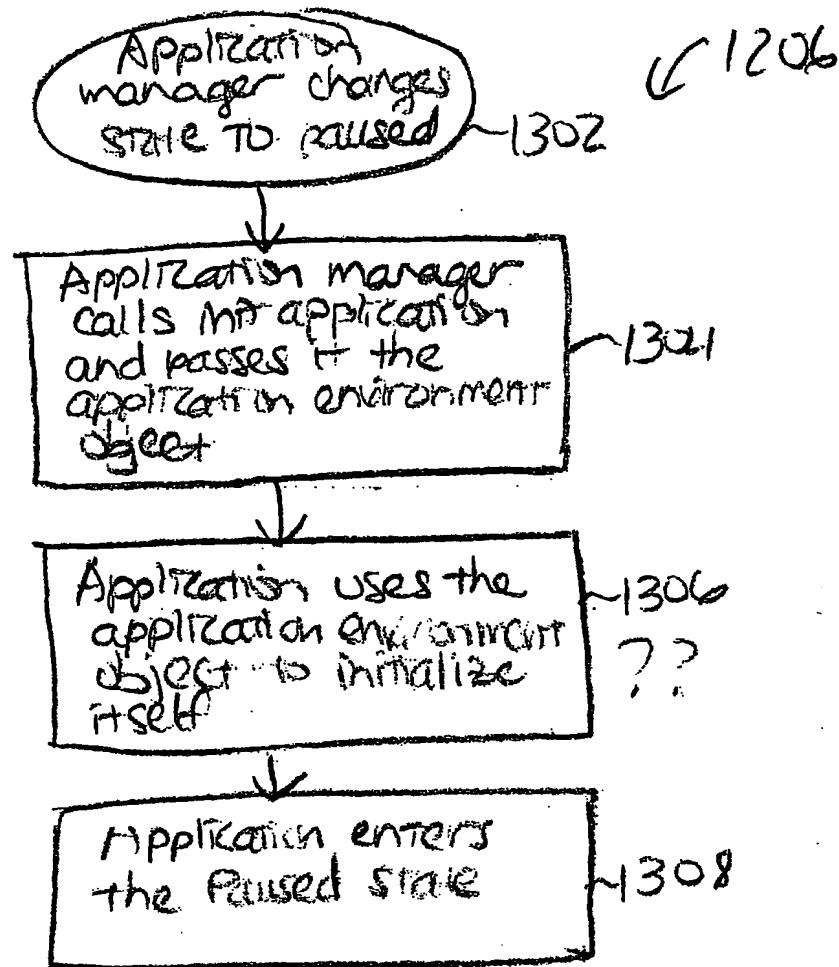


FIG. 13

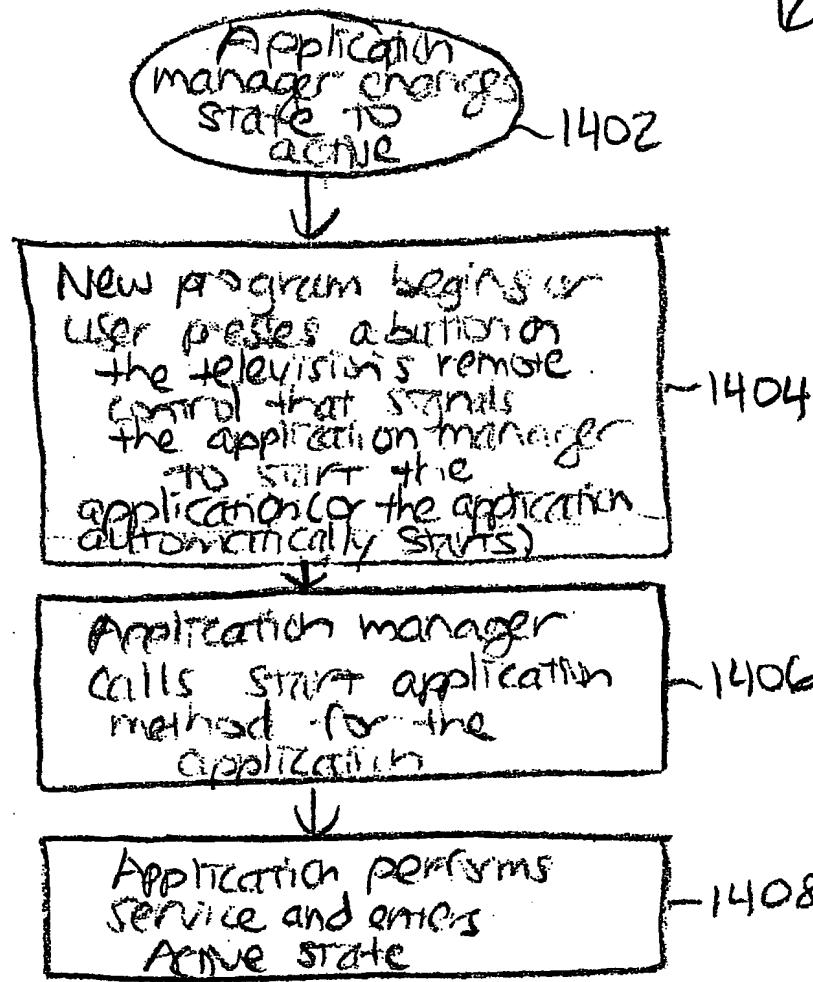


FIG. 14

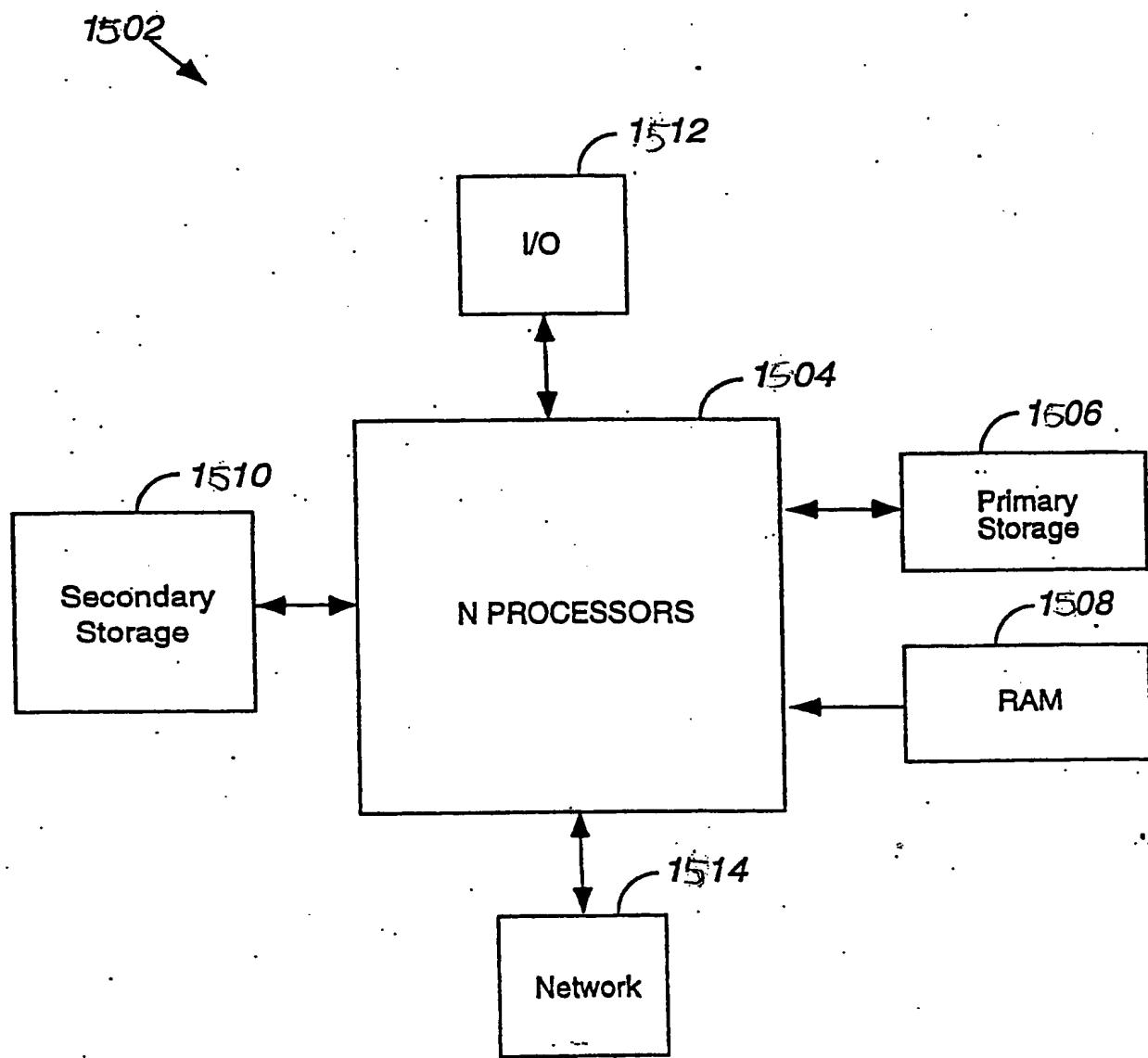


Figure 15.